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APPLICATION NO. FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/719,104	11/21/2003	Steven R. Sedlmayr	AUO1015 1947			
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Law Office of Roxana H. Yang P.O. Box 400			FINEMA	FINEMAN, LEE A		
Los Altos, CA 94023			ART UNIT	PAPER NUMBER		
			2872			
			DATE MAIL ED: 04/05/2005			

Please find below and/or attached an Office communication concerning this application or proceeding.

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Office Action Summary Learniner			on No.	Applicant(s)				
Lee Fineman 2872			04	SEDLMAYR, STEVEN R.				
The MALING DATE of this communication appears on the cover sheet with the correspondence address — Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions of ties may be available under the provisions of 3 CPR 1.136(a). In no event, however, may a reply be limitly filled If the period for reply specified above is less than thirty (30) days, a reply white the additiony minimum of thirty (30) days will be considered timely. If No period for reply specified above is less than thirty (30) days, a reply white the additiony minimum of thirty (30) days will be considered timely. If No period for reply specified above is less than thirty (30) days, a reply white the distinctive priod will negligible of this communication. Any prely reviewed by the Official later than three months after the mailing date of this communication, even if timely filled, may reduce any search of period them distingtions. Any prely reviewed by the Official later than three months after the mailing date of this communication, even if timely filled, may reduce any search of period them distingtion and the search of the mailing date of this communication, even if timely filled, may reduce any search of period to the distinction of the mailing date of this communication, even if timely filled, may reduce any search of the search of the mailing date of this communication, even if timely filled, may reduce any search of the search of the mailing date of this communication. 1) Calm (s) Is a scion is FINAL. 2) May This action is filled on 0.7 March 2005. 2) This action is 5 Institute that the mailing date of this communication, even if timely filled, may reduce any search of the mailing date of this communication. 4) Calaim(s) 133-156 is fare pendicted under Expendiction of the mailing date of this communication. 4) Calaim(s) 133-156 is fare allowed. 5) Calaim(s) 133-156 is fare rejected. 7) Claim(s) 133-156 is fare rejected. 7) Claim(s) 133-156 is fare	Office Action Summary	Examine	r	Art Unit				
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DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 7 March 2005 has been entered in which claims 133, 139, 145 and 151 were amended. Claims 133-156 are pending.

Claim Objections

2. Claims 135, 141, 147 and 153 are objected to under 37 CFR 1.75(c), as being of improper dependent form for failing to further limit the subject matter of a previous claim. Applicant is required to cancel the claim(s), or amend the claim(s) to place the claim(s) in proper dependent form, or rewrite the claim(s) in independent form. Claims 135, 141, 147 and 153 recite the system further comprising a means for/step of passing one of the resolved beams to a projection means. Claims 133, 139, 145 and 151, from which these claims depend, already include means for/step of passing one of the resolved beams to a projection means as part of the limitations in newly added step [e].

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

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(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

4. Claims 133-156 are rejected under 35 U.S.C. 103(a) as being unpatentable over Karasawa et al., U.S. Patent No 5,200,843 in view of Konno et al., U.S. Patent No 4,497,015.

Karasawa et al. disclose in fig. 1 a system and method of producing one or more collinear beams of electromagnetic energy/light, comprising [a] means (1, 2, 3, 4) for producing two or more separate beams (fig. 1, beams separated by dichroic mirrors 5 and 7) of electromagnetic energy/light, each of the separate beams of electromagnetic energy/light having a same selected predetermined orientation (S or P, see fig. 5 as an example of S) of a chosen component of electromagnetic wave field vectors substantially across each beam, and a predetermined range of wavelengths (from light source 1); [b] means (8R, 8G, 8B) for altering the selected predetermined orientation of the chosen component of the electromagnetic wave field vectors of a plurality of portions of each of the separate beams of electromagnetic energy/light by passing each of the separate beams of electromagnetic energy/light through a respective one of a plurality of altering means in a single direction (fig. 1) whereby the selected predetermined orientation of the chosen component of the electromagnetic wave field vectors of the plurality of portions of each of the separate beams of electromagnetic energy/light is altered in response to a stimulus means by applying a signal means to the stimulus means in a predetermined manner as each of the separate beams of electromagnetic energy/light passes through the respective one of the plurality of means for altering the selected predetermined orientation of the chosen component of the electromagnetic wave field vectors (column 5, lines 18-23); [c] means (9) for combining the altered separate beams of electromagnetic energy/light into a single collinear beam of

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electromagnetic energy/light without substantially changing the altered selected predetermined orientation of the chosen component of the electromagnetic wave field vectors of the plurality of portions of each of the separate beams of electromagnetic energy/light, [e] means (12) for passing a resolved beam of electromagnetic energy/light to a projection means (13), the projection means receiving only electromagnetic energy /light having substantially the same selected predetermined orientation of the chosen component of electric field vectors (S or P from linear polarizer 15); and means (5 or 7) for adjusting the electromagnetic/light spectrum of at least one of the separate beams of electromagnetic energy/light in which the means for adjusting the electromagnetic/light spectrum of at least one of the separate beams of electromagnetic energy/light includes means for adjusting a predetermined range of wavelengths (the dichroic mirrors filter specific wavelengths e.g. blue) and a magnitude (in so far as the magnitude of the remove wavelength is adjusted to zero) of at least one of the separate beams of electromagnetic energy/light. Karasawa et al. disclose the claimed invention except for the separated beam being a substantially uniform flux intensity substantially across the beam of electromagnetic energy/light and a rectangular cross sectional area; and having [d] means for resolving from the single collinear beam of electromagnetic energy/light a first resolved beam of electromagnetic energy/light having substantially a first selected predetermined orientation of a chosen component of electromagnetic wave field vectors and a second resolved beam of electromagnetic energy/light having substantially a second selected predetermined orientation of a chosen component of electromagnetic wave field vectors, whereby the first and second selected predetermined orientation of the chosen component of the electromagnetic wave field vectors are different from one another. However Karasawa et al. also teaches that when using a polarizing

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beam splitter like element 2 (which resolves from the single collinear beam of electromagnetic energy/light a first resolved beam of electromagnetic energy/light having substantially a first selected predetermined orientation of a chosen component of electromagnetic wave field vectors and a second resolved beam of electromagnetic energy/light having substantially a second selected predetermined orientation of a chosen component of electromagnetic wave field vectors, whereby the first and second selected predetermined orientation of the chosen component of the electromagnetic wave field vectors are different from one another, see figs. 2 and 3), an absorption type polarizer like 14 is not required (see column 5, lines 49-52) and that absorption type polarizers generate higher temperatures which can cause stability problems in the system (see column 1, lines 54-61). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to replace the analyzing absorption type polarizer (15) which a polarizing beam splitter to further reduce the heat in the system. Therefore, step [d] is satisfied. Further, Konno et al. teaches a light illumination device (fig. 5) which produces a primary beam (at M) which has a substantially uniform flux intensity substantially across the initial beam of light (column 5, lines 43-52) and has a rectangular cross sectional area (using lens element 102, fig. 3; column 3, lines 5-8). It would have been obvious to one of ordinary skill in the art at the time the invention was made to replace the light source of Karasawa et al. with that of Konno et al. to have a more uniform intensity light beam and provide a more consistent image. The method of utilizing the structure of the claim is inherent therein.

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Response to Arguments

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Applicant's arguments with respect to claims 133-156 have been considered but are moot 5.

in view of the new ground(s) of rejection.

Conclusion

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Lee Fineman whose telephone number is (571) 272-2313. The

examiner can normally be reached on Monday - Friday 7:30 - 4:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Drew Dunn can be reached on (571) 272-2312. The fax phone number for the

organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

April 1, 2005